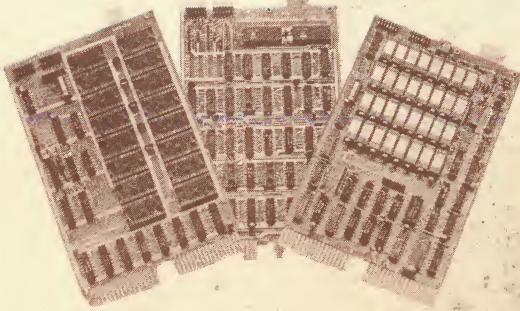Digital Pathways offers a series of RAM and ROM systems designed for the Digital Equipment Corporation PDP-11* and LSI-11* computers. Most of these systems offer built-in bank-switching capability, enabling the system to extend far beyond the normal DEC memory bounds.

LSI-11/2 (Dual Width Boards)

RMA-032;

This is a 32K words x 16 bit random access memory module with 450 nanosecond access time. When used in a "stand-alone" configuration only one of these modules can be accommodated by any given computer and only 28K of the 32K is available for use. Assignment of the available address space is carried out by means of a set of jumper wires. When a Bank Switch Controller is added to the system and the memory modules are put under its control (by connecting a jumper cable and activating a switch on each memory module) then up to 1024K words of memory are accessible to the computer. Memory circuits included.

RMS-016;

This is a 16K x 16 bit read-only memory system based upon the Intel 2716 EPROM or the compatible 2316E masked ROM. Again, this module may be used in a "stand-alone" configuration if memory space is available. In this mode, assignment of memory to address space is done in 4K blocks making use of jumper wires. Any or all of the four 4K blocks may be so assigned. When the BSC-256 is added to the system, the RMS-016 may be placed under its control. In this case it will occupy 16K out of the possible 1024 words which can be supervised by one Bank Switch Controller. Memory circuits not included.

BSC-256;

This module, called the Bank Switch Controller, is the key to the bank-switching capability of the system. It communicates by means of a "daisy-chained" cable to each of the memory modules under its control. The Controller simultaneously enables up to seven 4K blocks of either ROM or RAM out of a possible 256 such blocks, assigning each a portion of the available memory space.

LSI-11 (Quad Width Boards)

ROM-016;

This is a self contained bank-switchable 16K word read-only memory system based upon the Intel 2716 EPROM or its compatible ROM, the 2316E. Bank-switch control is incorporated within each module. In addition, it contains an indirect addressing mode for use when no address space is available.

RMP-004;   including 4 EPROMs

This board includes 4K words of read-only bank-switchable memory and a built in programmer for 2716 EPROMs. Except for the reduced memory size, it is functionally identical to the ROM-016. Typical programming time for 2K words is 100 seconds.

DIGITAL PATHWAYS INC.

4151 MIDDLEFIELD ROAD • PALO ALTO, CALIFORNIA 94306

(415) 493-5544

PDP-11 (Hex Boards)

RMP-116;

This board accommodates up to 16K words of 2716 Intel EPROMs or 2316E ROMs. A programmer has been built into the board for programming 2716s in place. Aside from the programmer, this board is logically identical to the ROM-016 and incorporates both bank-switching capability and an indirect addressing mode for use where no memory space is available.

ROM-116;

This board is identical to the RMP-116 except for its programming capability, which has been removed.

RMS-124;

This board accommodates up to 24K words of 2716 or 2316E read-only memory. Its address allocation is determined entirely by a set of wire jumpers. Any portion of the memory from 2K words up to the full 24K words can be enabled in this way. No bank-switching capability is built into the board.

Remote Programmer;

For added convenience, Digital Pathways offers a desk top unit which can be used to program 2716 EPROMs remotely in coordination with either an RMP-004 or an RMP-116. With the use of this unit it is not necessary to turn the power off on the computer while changing EPROMs or to remove the RMP from the computer. Connection to the RMP is by means of a 50 conductor flat cable.

*Trademark of Digital Equipment Corporation

DIGITAL PATHWAYS INC.

4151 MIDDLEFIELD ROAD • PALO ALTO, CALIFORNIA 94306

(415) 493-5544

DIGITAL PATHWAYS INC.

JANUARY 1980

PRICE LIST *

PRODUCT	QUANTITY			
	1-9	10-49	50-99	100 Up
TIMING CONTROL UNITS				
TCU-50D (LSI-11)	$325	$292	$260	$228
TCU-50Q (LSI-11)	325	292	260	228
TCU-100 (PDP-11)	495	445	395	345
TCU-150 (PDP-11)	460	414	368	322
TCU-200 (Lockheed)	550	495	440	385
TCU-310 (Comp. Auto.)	385	345	308	270
TCU-410 (Multibus)	325	292	260	225
TCU-2100 (HP 2100)	395	355	315	275
SERIAL LINE CLOCK				
SLC-1 (without display)	640	575	512	480
10-Digit Display Option	190	171	152	140
MEMORY UNITS				
RMP-116 (PDP-11)	895	805	720	630
ROM-116 (PDP-11)	695	625	555	490
RMS-124 (PDP-11)	450	405	360	315
RMP-004 (LSI-11)				
Without EPROMS	675	607	540	475
With EPROMS	795	715	645	585
ROM-016 (LSI-11)	695	625	555	485
Bank Switchable Memory Family for DEC LSI-11 Based Computers				
RMS-016	300	270	240	210
RMA-032 Without 16K Chips	450	400	360	315
With 16K Chips	990	890	800	700
BSC-256	300	270	240	210

* ALL PRICES FOB PALO ALTO, CA.